CMSI 620T
DATABASE SYSTEMS GRADUATE TUTORIAL
Fall 2022

Assignment 1212   Final Database Research Paper

Presumably this is no surprise—the last submission for the semester is the final version of what you've been working on throughout. Time to fill things out, wrap things up, and perhaps drop the mic.

Close your case

Finish up your *Background* and *Motivation* sections with the best possible coverage from the literature. Make sure that *Background* gives the reader as thorough and current a snapshot of your project's subject area as possible. You may assume that your reader has general knowledge of databases but not necessarily specific knowledge of your chosen area —a good test reader would be someone who has just finished the undergraduate database course.

For the *Motivation* section, make the best possible literature-supported case for why there's a worthwhile gap to investigate in the state of the art. Show what has not been accomplished yet, thus pointing the way toward what you seek to do in your own work.

Finalize your methods

Make sure that what you describe in your *Methods* section addresses some aspect of what you identified as missing from the *Motivation* section. Keep citing sources from the literature for anything that you picked up from your reading.

Your *Methods* section should give the reader a very clear vision of what you plan to do, as close as possible to the point that they can see themselves doing it (remember again that your target audience is someone who knows databases in general).

If applicable, provide a progress report

If you have been able to actually *do* some of what you described in the *Methods* section, then provide a progress report on that in the *Results & Discussion* section. State how far along you are, state how it's going, state what remains for you to do. The work doesn't have to be finished, but it must be very clear where things stand in relation to the overall plan described in the *Methods* section.

If applicable, show your work (so far)

Also in your final *Results & Discussion* section depending on the specific nature of your chosen research, you may have different artifacts that represent the work that you have done. Make those available: provide links (particularly to a code repository if your work involved one), maybe show some metrics, maybe show some data. This part will be very specific to what you individually have chosen to do.

Heed the feedback

This final time, the feedback I provide will be reflected in the points awarded. Make sure that any issues or suggestions that were pointed out in the drafts before have all been addressed in your final version. This ranges from matters of flow, to the completeness of ideas described, to the strength of your support from the literature, to adherence to a style manual and proofreading. All of it counts now, and will affect the final score (especially if it is something that was already pointed out before).

Submission

Please upload a PDF of this final version of your proposal to the designated assignment on Brightspace. If you provided links to other resources (code, files, etc.) in the document, make sure that those links are live and accessible by me.

Scoring

As mentioned above, scoring will now reflect the overall quality of the work, ranging from the research, to analysis, to conceptualization, to writing. Treat your final submission as if you are preparing it for publication to a journal or a high-visibility conference—in other words, aim for your work to be viewed as a peer follow-up to the prior literature that you have referenced.